
Folding Pinnacle Bending Device

Patent claims

1. A folding pinnacle bending device for a mobile crane (20), comprising a joint area (9) which is bent in order to adjust the angle of said folding pinnacle (10) and which comprises a joint (8) in its upper or tensile load area, characterised in that said joint area (9) comprises a mechanically fixable telescoping means (7) in its lower or pressure load area.
2. The folding pinnacle bending device as set forth in claim 1, characterised in that said telescoping means comprises a telescopic pipe (7).
3. The folding pinnacle bending device as set forth in claim 1 or 2, characterised in that the telescoping means or telescopic pipe (7) comprises support elements (2, 4), by means of which it can be mechanically fixed at different lengths.
4. The folding pinnacle bending device as set forth in claims 1 to 3, characterised in that the telescoping means or telescopic pipe (7) comprises a holding element (7a) and an extending element (7b), wherein said holding element (7a) is fastened by a joint to the side of the joint area (9) facing the base of the folding pinnacle (10), and wherein said extending element (7b) is fastened by a joint to the side of the joint area (9) facing the tip of the folding pinnacle (10).
5. The folding pinnacle bending device as set forth in claim 4, characterised in that said support elements (2, 4) for the extending element (7b) are arranged on the holding element (7a).

6. The folding pinnacle bending device as set forth in claim 4 or 5, characterised in that the fastening (1) of the holding element (7a) to the side of the joint area (9) facing the base of the folding pinnacle (10) forms one of the support devices.
7. The folding pinnacle bending device as set forth in any one of claims 1 to 6, characterised in that the telescoping means comprises a round or cornered base pipe (7a) and an extending piston (7b), wherein the base pipe (7a) comprises transverse bores (6) for receiving support bolts (2) which support said piston (7b) at its lower end.
8. The folding pinnacle bending device as set forth in any one of claims 1 to 7, characterised in that the telescoping means comprises a round or cornered base pipe (7a) and an extending piston (7b), wherein said base pipe (7a) comprises lateral inserts for guiding said piston.
9. The folding pinnacle bending device as set forth in claims 7 or 8, characterised in that said lateral inserts form hubs (4) for the transverse bores (6).
10. The folding pinnacle bending device as set forth in any one of claims 1 to 9, characterised in that the telescoping means (7) comprises a securing device which prevents its telescopic components from detaching from each other, in particular a distancing sleeve (5) between the lower, supporting end of the extending element (7b) and the upper end of the holding element (7a).
11. The folding pinnacle bending device as set forth in any one of claims 4 to 10, characterised in that the lower, supporting end of the extending element (7b) formed as a pipe is fixedly connected to the piston base (3).
12. The folding pinnacle bending device as set forth in any one of claims 7 to 11, characterised in that a groove is arranged on the piston base (3) and together with the support element (1, 2) forms a centring in one axis for the position of the piston.